

FIGURE 1A

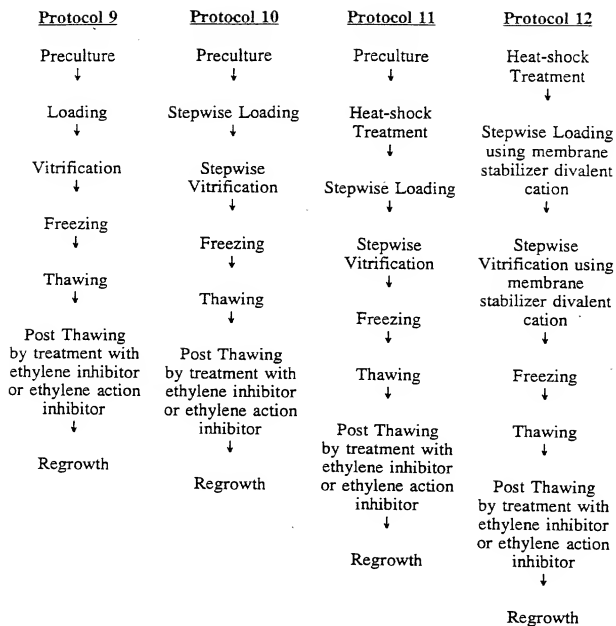


FIGURE 1B

Protocol 13

Preculture



Stepwise Loading
using membrane
stabilizer divalent
cation



Stepwise
Vitrification using
membrane
stabilizer divalent
cation



Freezing



Thawing



Post Thawing
by treatment with
ethylene inhibitor
or ethylene action
inhibitor



Regrowth

Protocol 14

Preculture



Stepwise Loading
using membrane
stabilizer divalent
cation



Vitrification using
membrane
stabilizer divalent
cation



Freezing



Thawing



Post Thawing
by treatment with
ethylene inhibitor
or ethylene action
inhibitor



Regrowth

Protocol 15

Preculture



Loading using
membrane
stabilizer divalent
cation



Stepwise
Vitrification using
membrane
stabilizer divalent
cation



Freezing



Thawing



Post Thawing
by treatment with
ethylene inhibitor
or ethylene action
inhibitor



Regrowth

FIGURE 1C

INHIBITORS OF ETHYLENE PRODUCTION

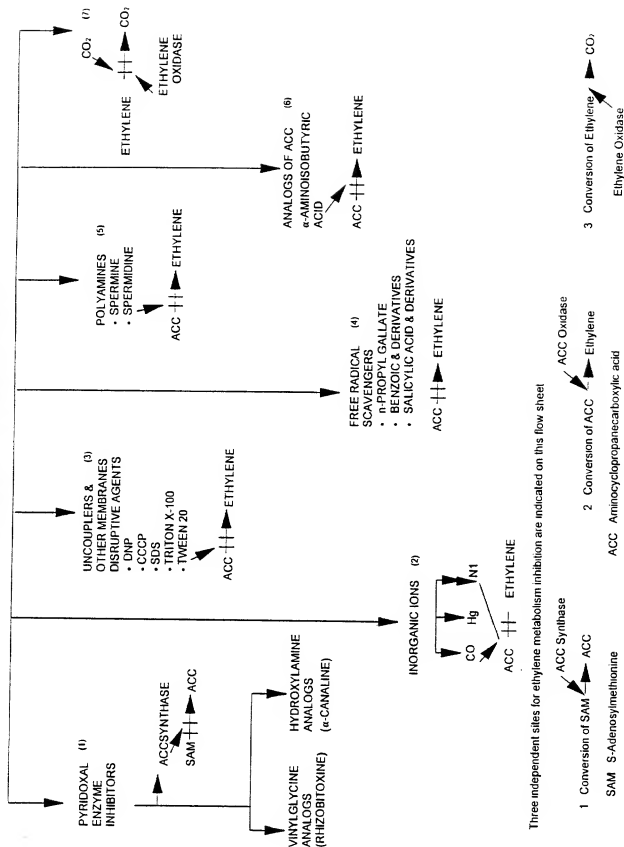
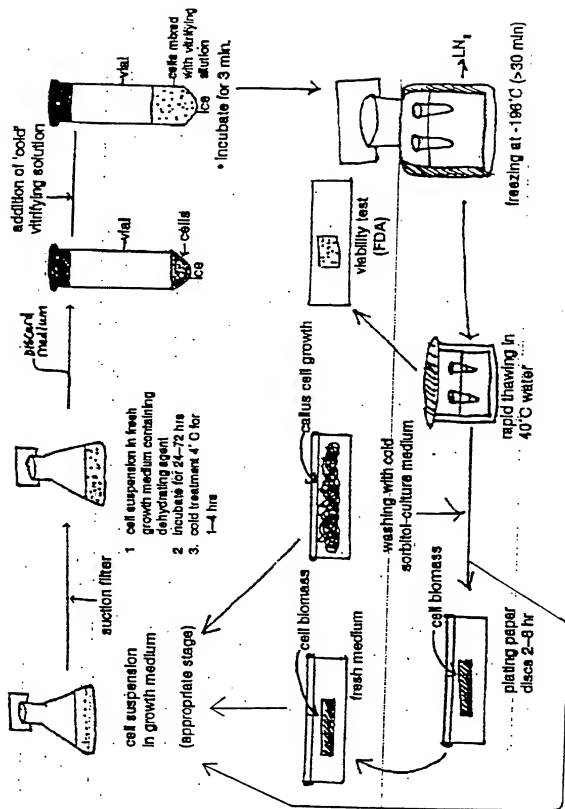


FIGURE 2

FIGURE 3



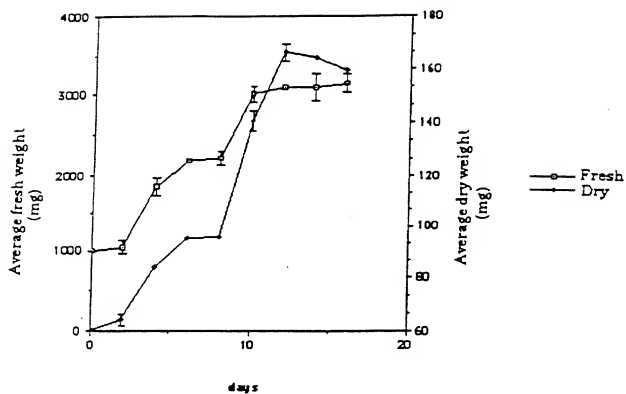
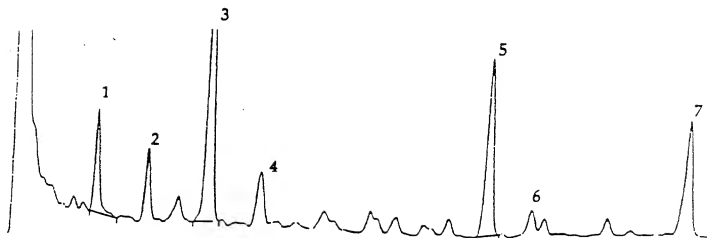


FIGURE 4

(A)



(B)

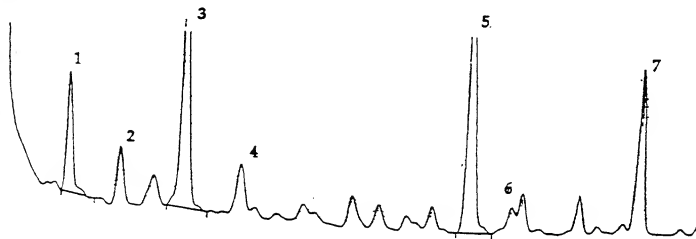
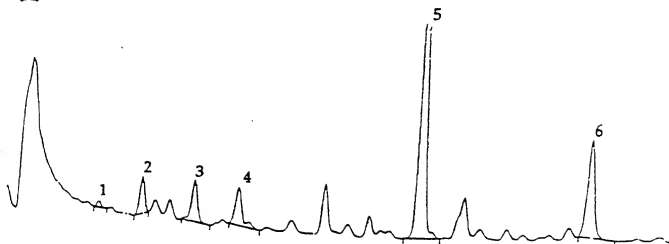


FIGURE 5

(A)



(B)

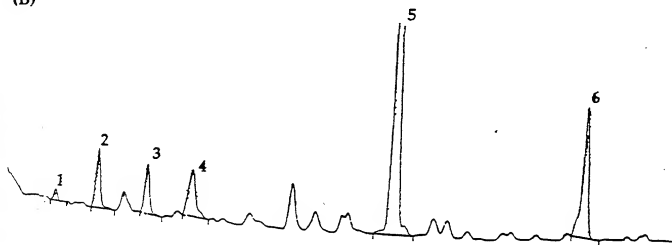


FIGURE 6

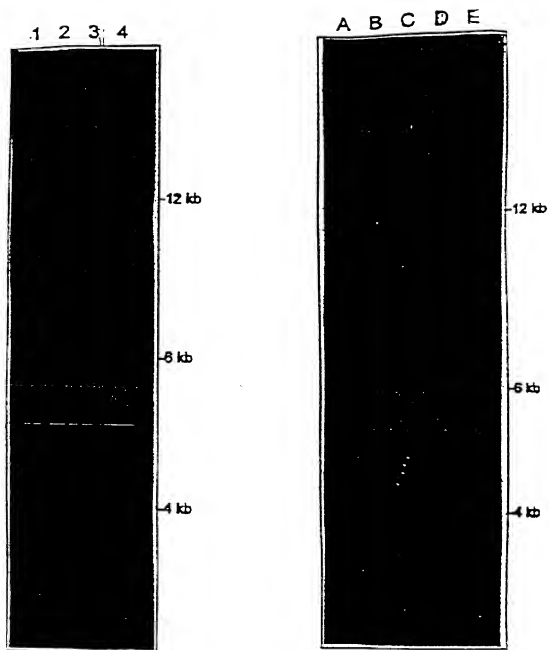


FIGURE 7



FIGURE 8